ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

RURAL DISTRICT

OF

DURSLEY

FOR THE

YEAR 1915.

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ANNUAL REPORT

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MEDICAL OFFICER OF HEALTH

1915.

TO THE RURAL DISTRICT COUNCIL OF DURSLEY.

Mr. Chairman and Members of the Council,—

I have the honour of presenting my Annual Report for the year 1915.

The Local Government Board have not this year issued the usual memorandum on the preparation of Annual Reports, considering that many of the details usually inserted in them, such as a description of the district, and of the water supply, sewerage and sewage disposal, etc., may be omitted, and that the Reports may be confined to a record of what has taken place during the year. Such being the case, I propose to base my Report upon that for last year, omitting details that remain the same.

A. Natural and Social Conditions of the District.

(1). *Description of the District.*—See Report for the year 1914.

(2). *Population.*—In view of the special conditions created by the war, it has been found to be impossible to adhere to the methods of estimation of local and national populations hitherto in use. Under these circumstances the Registrar General has calculated the local populations based on the National Register compiled in August 1915, a date only six weeks removed from that for which estimates were required, viz., the middle of the year 1915. The population of this District thus estimated is 12,020, and this figure is used in calculating the death-rates. The population at the Census of 1911 was 12,233, and that estimated to the middle of the year 1914 was 12,437.

The total population estimated for 1914 has been used, as suggested by the Registrar General, for calculating the birth-rates during 1915.

The amount of Poor Law Relief for the year ending September 30th, 1915, was £2,566, as compared with £2,241 for the previous year.

For further particulars see Report for the year 1914.

B. Sanitary Circumstances of the District.

Water Supply.—Nine Certificates under Section 6 of the Public Health (Water) Act, 1878, have been granted for nine new houses.

Seven samples of water were analysed during the year.

Rainfall.—The following table gives the rainfall in Dursley, for which information I am indebted to Messrs. John Richards and Co., The Nurseries, Dursley.

Month	Total inches	Maximum	Date	No. of days on which ·01 of an inch or more fell.
January	3·67	1·02	3	14
February	4·31	·88	16	16
March	1·35	·49	23	7
April	1·12	·22	6	10
May	3·43	·92	17	8
June	·83	·45	25	4
July	4·75	·61	16	17
August	2·54	1·25	2	14
September	1·70	·53	29	8
October	4·08	·98	23	12
November	1·80	·96	11	6
December	5·91	·72	4	22
Totals	35·49			138

Average for previous 20 years, 32.24 inches, the greatest rainfall being in the year 1912 when 47.91 inches were recorded, and the least in 1911 when 25.17 inches fell.

Rivers and Streams.—See Report for the year 1914.

Drainage and Sewerage.—During the year the drains of 7 houses in Cam, and 2 in Dursley were connected with the sewer. No other connections were made in the District.

Closet Accommodation and Scavenging.—See Report for the year 1914. Scavenging tips for Wotton-under-Edge and Cam have been obtained.

SANITARY INSPECTIONS OF DISTRICT

No. of Premises visited.	No. of Inspections	Defects or Nuisances found	No. of Notices served Statutory	Informal	Action taken	Result of Action
Slaughter Houses 16	56	None	0	0		
Bakehouses 23	52	Want of Cleanliness 3	0	3	Defects to be remedied	Remedied
Dairies 93 Cowsheds 130	200	New premises for storing milk 2 Want of Cleanliness 3	0	5	"	All remedied
Factories 34	124	Insufficient Ventilation 1 Not Limewashed 1	0	3	Do.	Do.
Workshops 62	187	Not Limewashed 3	0	3	Do.	Do.
Common Lodging House 1	8	0	0	0		
New Houses 9	98					
Other Houses	see "Housing"					

General Work.—See Sanitary Inspector's Report.

Premises and Occupations which can be controlled by Bye-Laws or Regulations :—

Slaughterhouses—16.

Common Lodging Houses.—There is one, situated in Wotton-under-Edge. It is kept satisfactorily.

There are no cellar dwellings, nor offensive trades in the district.

Schools.—There are 18 Public Elementary Schools in this District. During the year the drainage at the Hopton Endowed School, Upper Cam, has been improved. Other particulars remain the same as stated in Report for 1914.

The School Medical Officer has kindly supplied the following summary of the particulars of the occurrence of infectious diseases in connection with the schools in the District notified by the Head Teachers during 1915 :—

Diseases	Cases	Suspects	Children in same House
Scarlet Fever	9	—	8
Diphtheria	1	—	4
Measles	76	6	25
Whooping Cough	88	8	18
Chicken-pox	6	1	—
Ringworm	25	—	—
Impetigo	7	—	—
Others	3	—	—

Schools closed :—

School	Period	Disease
Dursley C. of E. Infants	2nd Nov. to 12th Nov.	Measles
Dursley Council	24th May to 28th May	Measles
Uley C. of E.	8th Feb. to 12th Feb.	Influenza
Uley C. of E.	24th March to 23rd April	Whooping Cough

Food :—

(*a*). *Milk Supply.*—The milk produced in the district is regarded as being wholesome and of good quality, but none has been analysed. No cases of disease, infectious or other, have been traced to milk. No milk is imported into the district.

The Dairies, Cowsheds and Milkshops Orders are carried out, but there are no local Acts, Regulations or Bye-Laws. The number of persons registered is 93. During the year 93 certificates were granted. No applications were refused.

In regard to tuberculous milk, no action has been taken.

(*b*). *Other Foods.*—Several tins of tinned fruit and sardines were destroyed. The sanitary condition of premises where foods are prepared, stored or exposed for sale, is on the whole good.

Condition of Bakehouses.—The sanitary condition of the bakehouses was found to be good, except in three cases, where there was a want of cleanliness.

Meat Inspection, Disease in Meat, and Condition of Slaughterhouses.—The Sanitary Inspector frequently visits the slaughterhouses while slaughtering is in progress, but no diseased carcases have been observed. Further inspection has not been made. The slaughterhouses are kept in fairly good condition. Those in Wotton-under-Edge are particularly well kept.

(*c*). *Sale of Foods and Drugs Act.*—No work has been done by the local authorities under these Acts.

Housing.—During the year 9 new houses have been built by private enterprise, 6 being in the parish of Cam, 2 in that of Slimbridge, and 1 in that of Wotton-under-Edge. Water certificates were granted in every instance. 98 inspections were made.

The Housing Acts, 1909 *and* 1910:—

The number of dwelling-houses inspected under and for the purposes of Section 17 of the Act of 1909—409.

The number of dwelling-houses which on inspection were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation—3.

The number of representations made to the local authority with a view to the making of closing orders—3.

The number of closing orders made—3.

The number of dwelling-houses the defects in which were remedied without making of closing orders—30.

The number of dwelling-houses which after the making of closing orders were put into a fit state for human habitation—1.

The general characters of the defects found to exist were bad ventilation, defective floors, dampness, and, in a few cases, defective roofs.

For further details, see the Sanitary Inspector's Report.

There is still a demand for dwelling-houses for the working-classes in every parish in the District with the exception of Owlpen, this demand being especially urgent in the parishes of Dursley, Cam, Coaley and Uley.

It is expected that very few houses will be built during the coming year.

Supervision over erection of New Houses.—The Sanitary Surveyor made frequent visits to and inspections of all houses during erection.

Bye-Laws relating to the construction of new houses are in force in Dursley parish only.

Factories, Workshops, Workplaces and Homework:—

In view of the present emergency caused by the war, it is not proposed to compile the usual statistics, from the Annual Reports of Medical Officers of Health, with regard to the administration of the Factory Acts by Local Authorities. The printed forms have therefore not been issued this year.

I. *Inspection.*—There are 34 Factories, including Factory Laundries, in the District. 124 Inspections were made. No written notices were issued, and there were no prosecutions.

There are 62 Workshops, including Workshop Laundries. 187 Inspections were made. 6 written notices were issued. There were no prosecutions.

II. *Defects Found.*

Nuisances under the Public Health Acts:—

Want of cleanliness, 5. All remedied.
Want of ventilation, 1. Remedied.

Offences under the Factory and Workshops Acts:—

Breaches of special sanitary requirements for bakehouses (S.S. 97 to 100), 3. All remedied.

III. *Home Work.*

Nature of Work: Halter-making for the Army. One list sent once in the year; 2 contractors; 46 workers.

IV. *Registered Workshops.*

	Number
Bakehouses	23
Tailors	4
Dressmakers	10
Bootmakers	7
Laundries	2
Upholsterers	4
Carpenters	6
Saddlers	3
Blacksmiths	3
Total	62

V. *Other Matters.*

Matters notified to H.M. Inspector of Factories—Nil.
Other—Nil.
Underground Bakehouses—None.

C. Sanitary Administration of the District.

1. The Sanitary Inspector gives his whole time to the duties of Sanitary Inspector, Sanitary Surveyor, and Inspector under the Housing Acts.

2. Hospital Accommodation, etc.
No alteration has been made.

3. Administration of Local Acts or general adoptive Acts in force in the district.

No alteration.

4. Chemical and Bacteriological work.

No alteration. I am unable to state the numbers of specimens of swabbings and sputa examined, but approximately they were 66 and 12 respectively. No specimens of cerebro-spinal fluid were examined.

Wotton-under-Edge Cemetery.—Efforts have been made to acquire a new cemetery. A suitable site was obtained. A Local Government Board Enquiry was held, and the scheme approved, but the Local Government Board have not yet sanctioned a loan.

D. Prevalence of and Control over Acute Infectious Diseases.

During the year, 68 cases of Infectious Disease were notified, including 13 cases of Pulmonary, and 8 of other forms of Tuberculosis. Table II. shows the number of cases of the various infectious diseases, the periods of life in which they occurred, and the number in the different parishes.

Excluding the cases of Tuberculosis, 47 cases were notified, as compared with 143 in 1914.

Diphtheria.—5 cases were notified, as compared with 102 in 1914. This gives an attack rate of 0.42 per 1,000 of the estimated population, as compared with 8.2 in 1914.

All of the cases occurred in Dursley, and all were in different houses. Insanitary conditions, which were probably the sources of

infection, were found, and dealt with, in or near four of the houses. In the fifth case, that of an adult, the source of infection was not discovered. None of the cases proved fatal.

Two of the cases occurred in the first quarter of the year, 2 in the third, and 1 in the fourth.

Erysipelas.—11 cases were notified, as compared with 2 in 1914. The attack rate was 0.92 per 1,000 of the estimated population, as compared with 0.16 in 1914. All of the cases recovered. Two cases were of severe facial form, while the others were of a mild type.

Two of the cases occurred in the first quarter of the year, 4 in the third, and 5 in the fourth. Table II. shows the parishes in which they were situated.

Scarlet Fever.—There were 28 cases, as compared with 32 in 1914. The Attack Rate was 2.33 per 1,000 of the estimated population, as compared with 2.58 in 1914.

Four cases occurred in Dursley, all being in different houses. The source of infection was not discovered in any of the cases. The drains of one house were unsatisfactory. Three of the cases were in the first quarter of the year, and one in the second.

There were 2 cases in Cam parish in houses far apart, both being in the fourth quarter of the year. In one case infection was contracted at a school not situated in this District. In the other, the source of infection was not ascertained. The sanitary condition of both houses was satisfactory.

In Slimbridge parish one case occurred in the first quarter of the year in a farm house. As milk was sold from the farm, the case was removed to the Isolation Hospital. The infection was contracted at a school not in this District.

One case occurred in Nympsfield parish in the third quarter of the year. The source of infection was not found.

There were four cases in North Nibley parish, one being in the first, one in the second, and two in the third quarter of the year. They all occurred in different houses, and it was difficult to trace any connection between them. In all probability infection was contracted at school, but the source was not ascertained. Insanitary conditions near one house were remedied.

There were 16 cases in the parish of Wotton-under-Edge. They occurred in 11 houses, 2 being in one house, 2 in another, and 4 in a third.

In the first quarter of the year there were 7 cases, two being in the same house. The source of infection was not discovered in any

of the cases. In the second quarter there was one case, infection having probably been conveyed by a visitor from an infected area. One case occurred in the third quarter and 7 in the fourth, four being in one house and two in another. The sources of infection were not ascertained. The drains of one house were found to be in a very foul condition.

Great difficulty is experienced in discovering the sources of infection in cases of scarlet fever, but doubtless infection frequently arises from slight unrecognised cases attending schools.

Grouping all the cases together, 12 occurred in the first quarter of the year, 3 in the second, 4 in the third, and 9 in the fourth.

Three cases were removed to the Isolation Hospital, and remained in the Hospital 41, 41, and 58 days respectively; average 46 days.

Two cases were sent to Hospitals in Bristol for the mastoid operation.

The following table shows the estimated Civil Population in the middle of 1915, the number of cases of the diseases enumerated and the attack rates, in England and Wales, the Administrative County of Gloucester, the Aggregate of Rural Districts in Gloucestershire, and Dursley Rural District:—

	E. & W.	A. C. of G.	A. of R.D.	D.R.D.
Population.	35,359,749	311,767	219,718	12,020
Diphtheria.				
Cases	53,597	519	388	5
Rates	1.52	1.67	1.77	0.42
Erysipelas.				
Cases	23,382	160	102	11
Rates	0.66	0.51	0.46	0.92
Scarlet Fever.				
Cases	127,086	1165	809	28
Rates	3.59	3.74	3.68	2.33
Enteric Fever.				
Cases	6,364	32	18	0
Rates	0.18	0.10	0.08	nil.
Puerperal Fever.				
Cases	2,057	6	3	0
Rates	0.06	0.02	0.01	nil.

Small-pox, Cholera, Plague, Typhus, Enteric Fever, Relapsing Fever, Continued Fever, Puerperal Fever, Cerebro-spinal Meningitis and Poliomyelitis.

—No cases were notified.

Ophthalmia Neonatorum.—Three cases were notified, all being very slight. They all received medical attention.

Tuberculosis.—See below.

Arrangements for Isolation and Disinfection, and means taken to prevent the spread of dangerous Infectious Diseases.—See Report for 1914. Formalin lamps have been chiefly used for disinfecting, instead of formaldehyde produced by the Auten method.

Non-Notifiable Acute Infectious Diseases:—

Measles.—This was prevalent in Dursley during May and Novvember. A few cases occurred in other parishes.

Whooping Cough.—There was a considerable outbreak in Uley during March and April. There were a few cases in Dursley, Cam, Coaley, Nympsfield and Stinchcombe.

Chicken Pox.—A few cases occurred in Dursley and Coaley.

Mumps.—No known cases.

Influenza.—This was very prevalent in Uley during February.

Epidemic Diarrhœa amongst Children.—Very few cases came under observation. There were two deaths.

Anthrax.—No case occurred during the year.

E. Prevalence of and Control over Tuberculosis.

During the year 13 cases of Pulmonary Tuberculosis and 8 of other forms of Tuberculosis were notified, as compared with 12 and 8 respectively in 1914.

All the primary notifications were received on Form A. No notifications were received from the School Medical Officer.

Of the pulmonary cases 8 of the patients were males, and 5 females; and of the cases of other forms 5 were males and 3 females.

In four instances a second case of tuberculosis occurred in the same house in which there was a case of pulmonary tuberulosis, three being cases of tuberculous meningitis and one a case of tuberculosis of the spine.

There were five deaths from Pulmonary Tuberculosis during the year, 4 of the cases having been notified previous to the year 1915, and 1 during 1915. There were 3 deaths from Tuberculous Meningitis, all of which cases were notified during 1915. There were no deaths from other Tuberculous diseases.

Three cases of pulmonary tuberculosis notified in this District previous to 1915, three cases notified in 1915, and one case notified previous to 1915 in another District, received Sanatorium treatment during the year. No cases were provided with shelters.

The control exercised over tuberculosis was the same as in previous years. See Report for 1914.

F. Investigations of other Diseases.

The returns received of all new cases of Pauper Sickness, taken from the District Medical Officer's Relief Books, show that the following cases of disease were attended:—

Asthma 1, Rheumatoid Arthritis 1, Diabetes 1, Erysipelas 1, Measles 2, German Measles 1 Scarlet Fever 1, Influenza 11, Pneumonia 1, Tuberculosis 3, Whooping Cough 25, Rheumatism 15, Malignant Disease 3, Diseases of the Nervous System 14, of the Eye 2, of the Circulatory 26, Bronchitis 36, other diseases of the Respiratory System 19, of the Digestive 34, of the Lymphatic 2, of the Urinary 5, of the Generative (Male) 1, ditto (Female) 5, of the Organs of Locomotion 4, of the Skin 13, Ill-defined and others 62, Injuries 9, total 294.

Other particulars regarding Investigations of other Diseases remain the same as stated in Report for 1914.

G. Means of preventing Mortality in Childbirth and in Infancy.

The Notifications of Births Act came into force on the 1st day of September, 1915, from which date up to the end of the year the births of 68 children, 30 males and 38 females, were notified. Of these 3 males and 3 females died before December 31st, 1915.

Other particulars under this Section remain the same as stated in the Report for 1914.

H. Vital Statistics of the District.

Table I.—The civil population estimated by the Registrar-General to the middle of the year was 12,020, being a decrease of 417 as compared with that of 1914. RAB

The nett number of births was 223, one of which was transferred inwards, giving a Birth Rate of 17.9 per 1,000 of the estimated population for 1914, as compared with 18.5 in 1914, and 20.7 the average for the previous five years. This is the lowest birth-rate recorded in this District. The birth-rate in England and Wales in 1915 was 21.9 as compared with 23.6 in 1914. RAB

The total number of deaths registered in this district was 138, giving a Death Rate of 11.5 per 1,000 of the estimated population of 1915, as compared with 10.9 in 1914, and 12.0 the average for the previous five years.

There were 1 outward and 12 inward transferable deaths.

There were 18 nett deaths belonging to this district under one year of age, one of which was transferred inwards, giving a Death Rate of 80.7 per 1,000 nett births, as compared with 78.2 in 1914, and 66.3 the average for the previous five years. The infant mor-

tality in England and Wales during the year 1915 was 110, and in England and Wales less the 244 towns, 98.

The nett deaths belonging to this district at all ages numbered 149, giving a Death Rate of 12.4 per 1,000 of the estimated population for 1915, as compared with 11.8 in 1914, and 12.9 the average for the previous five years.

The crude death-rate was 12.4 and the corrected rate 10.6 per 1,000 of the estimated population for 1915.

In England and Wales during 1915 the crude death-rate was 15.1 and the standardised 14.8, and in England and Wales less the 244 towns 14.8 and 13.6 respectively.

The corrected death-rate is the rate which would have been recorded had the age and sex constitution of the population of this District been identical with that of England and Wales.

Of the 222 births registered in this district 132 were in the Registration Sub-District of Dursley, and of these 53 were boys, of whom 2 were illegitimate, and 79 girls, 4 of whom were illegitimate; while 90 were in the Registration Sub-District of Wotton-under-Edge, and of these 53 were boys, 2 being illegitimate, and 37 girls, of whom 1 was illegitimate.

There was one inward transferable birth, a female, legitimate.

Deaths in the Period of Old Age.—From 70 to 80 years of age, 14 males and 22 females; from 80 to 90, 6 males and 8 females; from 90 upwards, 1 female; total, 45.

Table II.—This deals with Cases of Infectious Diseases notified including Tuberculosis, and shows the total number of cases at all ages, at certain ages, the parishes in which they occurred, and the total number of cases treated in the Isolation Hospital at The Moors.

Three cases were treated at the Isolation Hospital, as compared with 24 in the year 1914. For further particulars refer to the Prevalence of and Control over Acute Infectious Diseases and Tuberculosis.

Table III.—This shows the Causes of, and ages at, death of residents occurring within and without the District, at all ages, and at certain periods of life, and the number of certified and uncertified deaths.

The seven principal zymotic diseases, namely: Small-pox, measles, scarlet fever, diphtheria (including membranous croup), whooping cough, "fever" (i.e., typhus, enteric fever, and simple continued fever), diarrhœa, caused 4 deaths. Hence the zymotic death-rate is 0.33, as compared with 0.96 in the year 1914.

The following list gives the number of deaths caused by the enumerated diseases and the rate per 1,000 of the estimated population:—

	Number	Rate
Whooping Cough	2	0.16
Influenza	1	0.08
Pulmonary Tuberculosis	5	0.41
Tuberculosis Meningitis	3	0.25
Cancer	13	1.08
Rheumatic Fever	1	0.08
Organic Heart Disease	27	2.24
Bronchitis	11	0.91
Pneumonia	17	1.41
Other Diseases of Respiratory Organs	1	0.08
Diarrhœa and Enteritis	2	0.16
Appendicitis	1	0.08
Cirrhosis of Liver	1	0.08
Nephritis and Bright's Disease	6	0.49
Other Accidents and Diseases of Pregnancy and Parturition	1	0.08
Congenital Debility and Malformations including Premature Births	8	0.66
Other Defined Diseases	48	3.99
Diseases ill-defined or unknown	1	0.08

There were 7 deaths in the Poor Law Institution.

Table IV.—Tabulates deaths, 18 in number, from various causes at various ages under 1 year of age, in weeks and months; also certified and uncertified. The Table also shows that of the Nett Births registered during the calendar year, 213 were legitimate and 9 illegitimate; and that all of the deaths were of legitimate infants.

I have the honour to be,

Your obedient Servant,

(*Signed*) R. ADAMS BREWIS, M.D.,

Medical Officer of Health

for the Dursley Rural District.

Dursley, 9th May, 1916.

APPENDIX.

Table I. **Rural District of Dursley.**

Vital Statistics of Whole District during 1915 and previous Years.

Name of District: RURAL DISTRICT OF DURSLEY.

Year	Population estimated to Middle of each Year	Births			Total Deaths Registered in the District		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	Nett Deaths belonging to the District			
		Uncorrected Number	Nett						Under 1 Year of Age		At all Ages	
			Number	Rate	Number	Rate			Number	Rate per 1,000 Nett Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1910 ...	11,146		265	23 7	144	12·9	2	12	19	71·7	154	13 8
1911 ...	12.248	233	234	19·1	141	11·5	0	11	13	55·5	152	12·4
1912 ...	12,307	264	264	21·4	148	12 0	0	16	17	64·3	164	13·3
1913 ...	12,377	258	259	20·9	155	12 5	1	11	16	61·8	165	13 3
1914 ...	12,437	230	230	18·5	136	10·9	0	10	18	78·2	146	11·8
1915 ...	12.020	222	223	17 9	138	11·5	1	12	18	80 7	149	12 4

Area of District in Acres (land and inland water), 26,876.

Total population at all ages ..... 12,233 } At Census
Total families or separate occupiers 3,000 } of 1911

Table II.

Rural District of Dursley.

Cases of Infectious Disease notified during the year 1915.

Notifiable Disease.	Number of Cases Notified								Total Cases Notified in each Locality									Total Cases Removed to Hospital
	At all Ages	At Ages—Years																
		Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Dursley	Cam	Uley	Slimbridge	Nymps-field	Coaley	North Nibley	Wotton-u-Edge	Kings-wood	
Small-pox	0	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
Cholera (C) Plague (P)	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
Diphtheria (including Membranous croup)	5	...	2	...	1	2	...	...	5	...	...	...	...	...	...	...	...	...
Erysipelas	11	...	...	1	...	4	3	3	3	2	1	...	...	...	2	2	1	...
Scarlet Fever ...	28	...	8	15	2	2	1	...	4	2	...	1	1	...	4	16	...	3
Typhus Fever ...	0	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
Enteric Fever ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Relapsing Fever (R) Continued Fever (C)	0	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
Puerperal Fever ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	0	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...
Poliomyelitis ...	0	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...
Ophthalmia Neonatorum	3	3	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...
Pulmonary Tuberculosis	13	...	...	...	4	7	2	...	2	2	2	...	1	1	1	2	...	...
Other forms of Tuberculosis	8	2	2	1	2	1	...	...	4	2	...	...	...	...	...	1	1	...
Totals ...	68	5	12	17	9	16	6	3	18	8	3	1	2	1	10	21	4	3

Isolation Hospital: The Moors, Coaley, provided by the Dursley Rural District Council.
Sanatorium: Beds in Cranham Lodge Sanatorium, Stroud, by the County Council.

Table III. **Rural District of Dursley.**

Causes of, and Ages at Death during the Year 1915.

Causes of Death.	NETT DEATHS at the subjoined ages of "Residents" whether occurring within or without the District.									TOTAL DEATHS whether of "Residents" or "Non-Residents" in Institutions in the District.
	All ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
All causes—Certified ...	149	18	5	0	0	8	11	36	71	7
,, Uncertified ...	0	0	0	0	0	0	0	0	0	0
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping Cough	2	1	1	...	...	...	...	...	...	...
Diphtheria and Croup ...	...	...	...	...	...	...	...	...	...	...
Influenza	1	...	...	...	...	...	...	...	1	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	5	...	...	...	...	2	2	...	1	...
Tuberculous Meningitis ...	3	2	1	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...
Cancer, malignant disease...	13	...	...	...	...	...	2	6	5	...
Rheumatic Fever	1	...	...	...	...	1	...	...	...	...
Meningitis	...	...	...	...	...	...	...	...	...	...
Organic Heart Disease ...	27	...	...	...	...	1	1	7	18	3
Bronchitis	11	...	1	...	...	...	...	...	10	1
Pneumonia (all forms) ...	17	3	1	...	...	1	2	8	2	...
Other diseases of Respiratory organs ...	1	...	...	...	...	...	...	...	1	...
Diarrhœa and Enteritis ...	2	1	1	...	...	...	...	...	...	...
Appendicitis and Typhlitis...	1	...	...	...	...	1	...	...	...	...
Cirrhosis of Liver	1	...	...	...	...	...	...	1	...	...
Alcoholism	...	...	...	...	...	...	...	...	...	...
Nephritis & Bright's Disease	6	...	...	...	...	...	...	3	3	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...
Other accidents & diseases of Pregnancy & Parturition	1	...	...	...	...	...	1	...	...	...
Congenital Debility & Malformation, including Premature Birth ...	8	8	...	...	...	...	...	...	...	...
Violent Deaths, excluding Suicide	...	...	...	...	...	...	...	...	...	...
Suicide	...	...	...	...	...	...	...	...	...	...
Other Defined Diseases ...	48	3	...	...	...	2	3	10	30	3
Diseases ill-defined or unknown	1	...	...	...	...	...	...	1	...	...
Totals ...	149	18	5	...	...	8	11	36	71	7
Sub-Entries included in above figures. Pneumonia other than Broncho Pneumonia...	12	...	...	...	...	...	2	8	2	...

Table IV. **Rural District of Dursley.**

INFANT MORTALITY.

1915. Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSES OF DEATH.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	4 wks.-3 mths.	3-6 months	6-9 months	9-12 months	Total Deaths under 1 year
All causes { Certified	7	3	1	0	11	1	1	2	3	18
All causes { Uncertified	0	0	0	0	0	0	0	0	0	0
Small-pox	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	1	1
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis	...	...	...	...	...	...	1	1	...	2
Abdominal Tuberculosis ...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous) ...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	...	...	...	...	...	...	...
Laryngitis	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	...	...	...	...	...	...	...
Pneumonia (all forms)	...	...	...	...	...	...	...	1	2	3
Diarrhœa	...	...	...	...	...	...	...	...	...	...
Enteritis	...	...	...	...	...	1	...	...	...	1
Gastritis	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying	...	...	...	...	...	...	...	...	...	...
Injury at birth	1	...	...	...	1	...	...	...	...	1
Atelectasis	1	...	...	...	1	...	...	...	...	1
Congenital Malformations ...	...	...	...	...	...	...	...	...	...	...
Premature birth	4	2	...	...	6	...	...	...	...	6
Atrophy, Debility and Marasmus...	...	1	1	...	2	...	...	...	...	2
Other Causes	1	...	...	...	1	...	...	...	...	1
TOTALS ...	7	3	1	...	11	1	1	2	3	18

Nett Births in the year—
legitimate ... 213
illegitimate ... 9

Nett Deaths in the year of
legitimate infants ... 18
illegitimate infants ... 2

Table C, 1915.

Dursley Rural Sanitary District.

Medical Officer of Health—ROBERT ADAMS BREWIS, M.D.

Sanitary Inspector—WILLIAM WEBB.

1.—Housing.

a. Number of plans for new houses approved	0
b. Number of houses built	9
c. Number of houses for which Water Certificates were granted under Section 6, Public Health (Water) Act, 1875	9
d. In what parishes, if any, is there deficiency of housing for the working classes?	All, except Owlpen.
e. Housing, Town Planning, etc., Act, 1909—Housing (Inspection of District) Regulations, 1910	
1. Who is the Inspecting Officer designated under Article ii.? ...	William Webb
2. What forms of records have been adopted?	Hadden & Best
a. For use in inspecting? ...	,, Pocket Book
b. For permanent records? ...	,, Record Sheets
c. For presentation to the Council?	,, Record Sheets
3. What areas were inspected during 1915?	Slimbridge, Coaley, North Nibley, Dursley, Uley.
4.—1. Number of houses inspected	409
2. Number of houses with defects for which notices were necessary	62
3. Number of houses for which notices were served	62
a. Under Sec. 15, Housing, Town Planning, etc., Act, 1909	
Number remedied	30

b. Under other sections of Public Health Acts	
Number remedied	0
4. (*a*) Number of houses unfit for habitation	3
(*b*) Number made habitable without closing orders ...	30
5. Number of representations made to District Council	62
6. (*a*) Number of houses for which Closing Orders were made	3
(*b*) Number of houses made habitable after service of orders	1
7. (*a*) Number of houses for which Demolition Orders were made	0
(*b*) Number of houses demolished	0
f. Number of cases of overcrowding reported	6
Number abated	4
g. Number of houses cleansed on notice	8

2.—Water Supply.

a. Is there deficiency in any part, and, if so, what part or parts?	No, except that a public water supply is required at Cam.
b. Has there been any change in the existing sources of supply?	No
c. Has any application for a Loan been made?	No
1. Amount	
2. Purpose	
d. Number of new connections with public supply	4
e. Number of wells sunk, or improved sources of supply provided	4
f. Number of wells closed...	1
g. Number of samples taken for examination	7

3.—Sewerage and Drainage.

a.	In what parishes, if any, is there need for	
	1. A sewerage system?	Kingswood
	2. Improvements in existing sewerage?	None
	3. Improvements in sewage disposal?	None.
b.	Has any application for a Loan been made?	No
	1. Amount	
	2. Purpose	
c.	Number of houses in each parish newly connected with sewers ...	7 in Cam; 2 in Dursley.
d.	Number of W.C.'s newly supplied with flushing cisterns	2
e.	Number of earth closets, pail closets, or improved privies constructed	8 pail closets.
f.	Number of notices served to empty "Privy Vaults"	18
g.	Number of privy vaults abolished	6

4.—Refuse Disposal.

a.	In what parishes have arrangements been made for the removal or disposal of house refuse? ...	Dursley, Cam, Wotton-under-Edge
b.	What changes in the collection or disposal were made during 1915?	New Tip obtained for Cam.

5.—Numbers inspected of each of the following:

		No. on Register	No. Inspected	Total No. of Inspections
a.	Common Lodging Houses	1	1	8
b.	Slaughter Houses	16	16	56
c.	Bakehouses	23	23	52
d.	Dairies, Cowsheds, Milkshops ...	223	223	200
e.	Canal Boats	0	0	0
f.	Workshops	62	62	187
g.	Residences of out-workers			

6.—General.

a.	Number of complaints received ...	14
b.	Number of nuisances reported to District Council—	
	1. Total	210
	2. Swine	0
c.	Total number of nuisances abated	210
d.	Total number of preliminary notices served	146
e.	Total number of Statutory notices served	64
f.	Total number of summonses taken out	0
g.	Total number of convictions ...	0

7.—Bye-Laws.

Have any changes in, or additions to, the Bye-laws been made? ... ... No.

8.—Infectious Diseases.

a.	Number of cases visited and reported on	68
b.	Number of houses in which cases occurred	62
c.	Number of houses disinfected ...	51
d.	Methods of disinfection used ...	Chiefly Formalin Lamps.

9.—Isolation Hospital.

a.	Have any changes been made in existing arrangements?	No.
b.	If yes, what changes?	

10.—What are the chief Sanitary Requirements of the District?

In Cam, Sewer Connections and Improved Water Supply.

In Kingswood, Sewerage System.

SUMMARY OF VITAL STATISTICS.

Population of District estimated to middle of 1915, 12,020.

	No.	Rate per 1,000
Births	223	17.9
Deaths	149	12.4
Do. under 1	18	80.7
Smallpox	0	Nil.
Scarlet Fever	0	Nil.
Diphtheria (including Membranous Croup)	0	Nil.
Fever	0	Nil.
Measles	0	Nil.
Whooping Cough	2	0.16
Diarrhœa	2	0.16
Zymotic	4	0.33
Pulmonary Tuberculosis	5	0.41
Other Tuberculosis Diseases	3	0.25
Cancer, Malignant Disease	13	1.08
Enteritis	0	Nil.
Respiratory Diseases	29	2.41

(*Signed*) R. ADAMS BREWIS, M.D.,

Medical Officer of Health

for the Dursley Rural District.

ANNUAL STATEMENT

OF THE

SANITARY INSPECTOR

FOR THE YEAR ENDING DECEMBER 31st, 1915.

TO THE DURSLEY RURAL DISTRICT COUNCIL.

I beg to place before you my Annual Report for the year 1915.

Slaughter-Houses.—The number of slaughter-houses in the District is as follows:—Cam, 3; Coaley, 1; Dursley, 4; Kingswood, 1; Nympsfield, 1; Slimbridge, 1; Uley, 1; Wotton-under-Edge, 4; total 16.

The number of inspections made were 56. All the premises have been kept in a satisfactory condition, and no breach of the regulations found.

Bakehouses.—The number of bakehouses is as follows:—Cam, 3; Dursley, 3; Slimbridge, 3; Uley, 2; North Nibley, 1; Nympsfield, 1; Wotton-under-Edge, 10; total 23. The number of inspections made to these being 52. Limewashing was ordered to be done in 3.

Milk-sellers.—The number of milk-sellers on the register is 93, as against 84 in 1914. Limewashing was required in 3; new premises for storing milk, 2. Number of inspections, 200.

There is only 1 milkshop in the district.

Factories and Workshops.—There are 34 Factories, including 4 factory bakehouses; 124 inspections were made. Insufficient ventilation was found in 1, and limewashing in 2. The number of workshops on the register is 62. Number of inspections, 187.

Outworkers.—There has been a considerable quantity of work given out in Dursley during the year by Messrs. J. B. Champion and Sons, Reliance Works. The work consists chiefly of making halters. Lists have been received showing the number to be 40. I have inspected these homes and found that in very many cases the work was brought home and done at night by the whole family. In no case was fault found. 80 inspections were made.

Common Lodging-Houses.—Only 1 Common Lodging House is now in the district, this one being in Wotton-under-Edge. This one is kept in fair condition, but requires frequent visits. 8 inspections were made.

New Houses.—9 houses were built during the year by private enterprise. During building operations 63 inspections were made. Drainage and water supply to the above have been satisfactorily carried out. The Council Buildings at Dursley erected in 1914 have had an improved surface water drain layed to prevent the flooding of a low part of the site, and this now gives satisfaction.

Drainage.—During the year very few connections have been made to the sewers—3 in Cam and 1 in Dursley. No connections have been made in Wotton-under-Edge. Preparations have been made to lay a section of the sewer at Nympsfield, but owing to the difficulty of labour nothing has been done. The outfall and sewage disposal works at Coaley for Dursley and Cam are giving great satisfaction and the effluent is much improved since the scum has formed on the tank. Messrs. Prout Bros. still continue to give every satisfaction in looking after the works.

Housing Regulations, 1910.—The number of houses inspected under the Act of 1909 and 1910 was 409; the number found unfit for human habitation, 3, for which closing orders were made. Defects were found in 87; these were chiefly bad ventilation, defective floors and roofs; notices served to remedy these defects, 62. Owing to the labour difficulty a great many of these defects have not been remedied. Overcrowding was found in 6 cases, 4 of which have been abated. Number of houses cleansed, 8.—

General:—

No. of Pail Closets constructed	3
Privy Vaults cleansed	18
Complaints received	14
Nuisances recorded	210
,, abated	210
Preliminary Notices served	146
Statutory Notices served	64
Inspections made	305

I beg to remain,

Your obedient Servant,

WILLIAM WEBB,

Inspector of Nuisances and Sanitary Surveyor,
under the Public Health Act, 1875.